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10/752,793

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L1 14 (CARLONE, M?)/AU

=> s (noble, s?)/au

L2 256 (NOBLE, S?)/AU

=> s l1 or l2

L3 269 L1 OR L2

=> s (corn or maize or zea)/ab,bi

L4 115903 (CORN OR MAIZE OR ZEA)/AB, BI

=> s 13 and 14

L5 21 L3 AND L4

=> file agricola

=> s 15

L6 5 L3 AND L4

=> dup rem

L7 23 DUP REM L5 L6 (3 DUPLICATES REMOVED)

=> d 17 1-23 ti py

L7 ANSWER 1 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Inbred ***maize*** line PH581.

PY 2004

L7 ANSWER 2 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Hybrid ***maize*** plant and seed.

PY 2001

L7 ANSWER 3 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Hybrid ***maize*** plant and seed 33P66.

PY 2001

L7 ANSWER 4 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Inbred ***maize*** line PH2MW.

PY 2000

L7 ANSWER 5 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Inbred ***maize*** line PH1EM.

PY 2000

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TI Development of a ***maize*** breakage test method using a commercial food processor.

PY 2000

L7 ANSWER 7 OF 23 AGRICOLA Compiled and distributed by the National

- Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
- TI Effects of drying air temperature and humidity on stress cracks and breakage of ***maize*** kernels.
- PY 2000
- L7 ANSWER 8 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Inbred ***corn*** line 2501172.
- PY 1998
- L7 ANSWER 9 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Inbred ***maize*** line PH67A.
- PY 1998
- L7 ANSWER 10 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Inbred ***maize*** line PH05W.
- PY 1998
- L7 ANSWER 11 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Hybrid ***maize*** plant and seed (3260).
- PY 1998
- L7 ANSWER 12 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Inbred ***corn*** line PHHB.
- PY 1997
- L7 ANSWER 13 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Inbred ***corn*** line ZS1022.
- PY 1997
- L7 ANSWER 14 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Hybrid ***corn*** plant and seed (3489).
- PY 1996
- L7 ANSWER 15 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Hybrid ***corn*** plant and seed (3189).
- PY 1996
- L7 ANSWER 16 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Inbred ***corn*** line PHN82.
- PY 1996
- L7 ANSWER 17 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Hybrid ***corn*** plant and seed.
- PY 1996
- L7 ANSWER 18 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI Hybrid ***corn*** plant and seed (3279).
- PY 1996
- L7 ANSWER 19 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on

- STN
- TI Inbred ***corn*** line PHHB4.
- PY 1995
- L7 ANSWER 20 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 1
- TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS BY RANDOM MATING WITHIN LINES II. COMPARISONS FOR TESTCROSS PERFORMANCE OF ORIGINAL AND ADVANCED S-2 AND S-8 LINES.
- PY 1989
- L7 ANSWER 21 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- TI HYBRID ***CORN*** PLANT AND SEED US PATENT-4737596. APRIL 12 1988.
- PY 1988
- L7 ANSWER 22 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 2
- TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS BY RANDOM MATING WITHIN LINES I. COMPARISONS BETWEEN THE ORIGINAL AND MAINTAINED S-2 LINES.
- PY 1988
- L7 ANSWER 23 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 3
- TI RESPONSE TO PLANT DENSITIES AND NITROGEN LEVELS FOR FOUR ***MAIZE***
 CULTIVARS FROM DIFFERENT ERAS OF BREEDING.
- PY 1987
- => d 17 1-5 8-23
- L7 ANSWER 1 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AN 2004:249660 BIOSIS
- DN PREV200400249610
- TI Inbred ***maize*** line PH581.
- AU ***Carlone, Mario Rosario Jr.*** [Inventor, Reprint Author]; ***Noble, Stephen W. Jr.*** [Inventor]
- CS Johnston, IA, USA
 - ASSIGNEE: Pioneer Hi-Bred International, Inc.
- PI US 6717037 April 06, 2004
- L7 ANSWER 2 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AN 2002:113195 BIOSIS
- DN PREV200200113195
- TI Hybrid ***maize*** plant and seed.
- AU ***Carlone, Mario Rosario, Jr.*** [Inventor, Reprint author]
- CS Princeton, IL, USA
 - ASSIGNEE: Pioneer Hi-Bred International, Inc.
- PI US 6326530 December 04, 2001
- L7 ANSWER 3 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AN 2001:352593 BIOSIS
- DN PREV200100352593

ΑU

- TI Hybrid ***maize*** plant and seed 33P66.
 - ***Carlone, Mario Rosario*** [Inventor]
- CS ASSIGNEE: Pioneer Hi-Bred International, Inc.
- PI US 6180857 January 30, 2001
- L7 ANSWER 4 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on

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AN
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ΑU
      ***Carlone, Mario Rosario*** [Inventor, Reprint author]; Stucker,
     David Scott [Inventor]
CS
     Princeton, IL, USA
     ASSIGNEE: Pioneer Hi-Bred International, Inc.
     US 6124532 September 26, 2000
PΙ
     ANSWER 5 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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TI
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       ***Noble, Stephen W.*** [Inventor, Reprint author]
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CS
     Johnston, IA, USA
     ASSIGNEE: Pioneer Hi-Bred International, Inc.
ΡI
     US 6118056 September 12, 2000
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{	t TI}
     Inbred
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AU
       ***Carlone, M.***
                           [Inventor]
CS
     Princeton, Ill., USA
     ASSIGNEE: GARST SEED COMPANY
PI
     US 5763755 June 9, 1998
L7
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ΑU
      ***Noble, S. W., Jr.*** [Inventor]
CS
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PI
     US 5763744 June 9, 1998
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     Inbred ***maize*** line PH05W.
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ΑU
       ***Noble, S. W., Jr.*** [Inventor]
CS
     Johnston, Iowa, USA
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PΙ
     US 5750849 May 12, 1998
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L7
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AN
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     PREV200200105278
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TI
ΑU
     Barker, T. C. [Inventor]; ***Noble, S. W., Jr.*** [Inventor]
CS
     Princeton, Ind., USA
     ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI
     US 5728921 March 17, 1998
L7
     ANSWER 12 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation.
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- DN
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        ***Noble, S. W., Jr.*** [Inventor]
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PΙ
     US 5633427 May 27, 1997
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AN
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DN
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     Inbred ***corn*** line ZS1022.
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ΑU
       ***Carlone, M. R., Jr.*** [Inventor]
CS
     Granger, Iowa, USA
     ASSIGNEE: ZENCO (NO. 4) LIMITED
     US 5602314 Feb. 11, 1997
PΙ
     ANSWER 14 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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     STN
AN
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TI
     Hybrid ***corn*** plant and seed (3489).
AU
       ***Noble, S. W., Jr.*** [Inventor]
CS
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PΙ
     US 5557035 Sept. 17, 1996
     ANSWER 15 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
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     STN
AN
     2002:45479 BIOSIS
DN
     PREV200200045479
{	t TI}
     Hybrid ***corn*** plant and seed (3189).
     Morrow, D. L. [Inventor]; ***Noble, S. W.*** [Inventor]
ΑU
CS
     Garden City, Kans., USA
     ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PΙ
     US 5530180 June 25, 1996
     ANSWER 16 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
L7
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DN
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TI
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ΑU
       ***Noble, S. W.***
                           [Inventor]
CS
     Johnston, Iowa, USA
     ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI
     US 5506368 April 9, 1996
L7
     ANSWER 17 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
     STN
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     2002:35095 BIOSIS
DN
     PREV200200035095
TI
     Hybrid ***corn***
                          plant and seed.
     Niebur, W. S. [Inventor]; Riley, R. D. [Inventor]; ***Noble, S. W.***
ΑU
     [Inventor]
     Victor, France
CS
     ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
ΡI
    US 5491295 Feb. 13, 1996
    ANSWER 18 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation.
L7
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    PREV200200035091
TI
    Hybrid ***corn***
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- AU ***Noble, S. W., Jr.*** [Inventor]; Williams, N. E. [Inventor]; Stucker, D. S. [Inventor]; Segebart, R. L. [Inventor]; Keaschall, J. W. [Inventor]
- CS Johnston, Iowa, USA ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
- PI US 5491289 Feb. 13, 1996
- L7 ANSWER 19 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AN 2002:28527 BIOSIS
- DN PREV200200028527
- TI Inbred ***corn*** line PHHB4.
- AU ***Noble, S. W., Jr.*** [Inventor]
- CS Polk County, Iowa, USA
 ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
- PI US 5444178 Aug. 22, 1995
- L7 ANSWER 20 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 1
- AN 1989:422472 BIOSIS
- DN PREV198988080730; BA88:80730
- TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS BY RANDOM MATING WITHIN LINES II. COMPARISONS FOR TESTCROSS PERFORMANCE OF ORIGINAL AND ADVANCED S-2 AND S-8 LINES.
- AU ***CARLONE M R JR*** [Reprint author]; RUSSELL W A
- CS DEP AGROMONY, IOWA STATE UNIV, AMES, IOWA 50011, USA
- SO Crop Science, (1989) Vol. 29, No. 4, pp. 899-904. CODEN: CRPSAY. ISSN: 0011-183X.
- L7 ANSWER 21 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AN 1988:271715 BIOSIS
- DN PREV198835000029; BR35:29
- TI HYBRID ***CORN*** PLANT AND SEED US PATENT-4737596. APRIL 12 1988.
- AU SEIFERT R [Inventor, Reprint author]; ***NOBLE S W*** [Inventor]; NIEBUR W S [Inventor]
- CS DES MOINES, IOWA, USA
 - ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC
- PI US 4737596 April 12, 1988
- L7 ANSWER 22 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 2
- AN 1989:46872 BIOSIS
- DN PREV198987022872; BA87:22872
- TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS BY RANDOM MATING WITHIN LINES I. COMPARISONS BETWEEN THE ORIGINAL AND MAINTAINED S-2 LINES.
- AU ***CARLONE M R JR*** [Reprint author]; RUSSELL W A
- CS DEP AGRONOMY, IOWA STATE UNIV, AMES, IOWA 50011, USA
- SO Crop Science, (1988) Vol. 28, No. 6, pp. 916-920. CODEN: CRPSAY. ISSN: 0011-183X
- L7 ANSWER 23 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. or STN DUPLICATE 3
- AN 1987:291615 BIOSIS
- DN PREV198784021647; BA84:21647
- TI RESPONSE TO PLANT DENSITIES AND NITROGEN LEVELS FOR FOUR ***MAIZE***
 CULTIVARS FROM DIFFERENT ERAS OF BREEDING.
- AU ***CARLONE M R*** [Reprint author]; RUSSELL W A
- CS IOWA STATE UNIV, AMES, IOWA 50011, USA
- SO Crop Science, (1987) Vol. 27, No. 3, pp. 465-470. CODEN: CRPSAY. ISSN: 0011-183X.

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=> file agricola
=> s 18
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    Carlone, Mario Rosario Jr. [Inventor, Reprint Author]; Noble, Stephen W.
AU
     Jr. [Inventor]
CS
    Johnston, IA, USA
    ASSIGNEE: Pioneer Hi-Bred International, Inc.
    US 6717037 April 06, 2004
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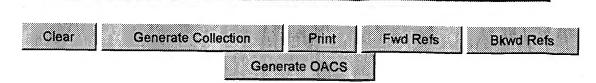
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DATE: Friday, December 10, 2004

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	L1	carlone.in.	25

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☐ 1. Document ID: US 6717037 B1

L5: Entry 1 of 21

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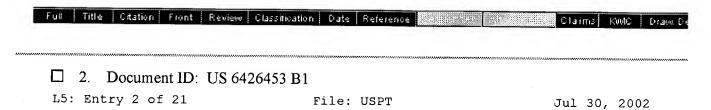
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L5: Entry 3 of 21



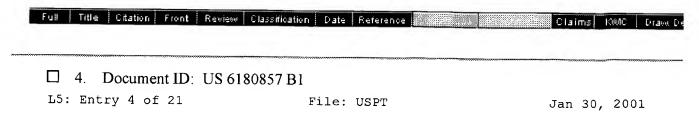
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** See image for Certificate of Correction **

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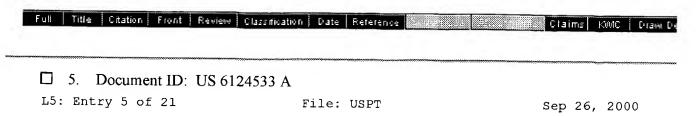


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** See image for Certificate of Correction **

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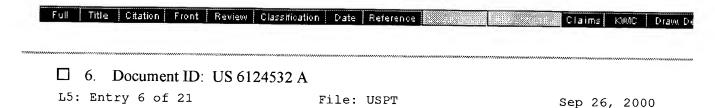


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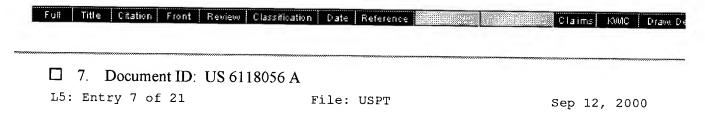


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** See image for <u>Certificate of Correction</u> **

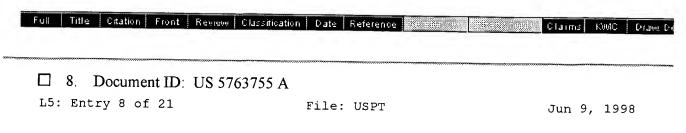
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TITLE: Inbred maize line PH1EM



US-PAT-NO: 5763755

DOCUMENT-IDENTIFIER: US 5763755 A

TITLE: Inbred corn line ZSO1172



☐ 9. Document ID: US 5763744 A

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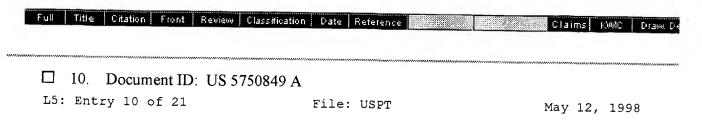
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Jun 9, 1998

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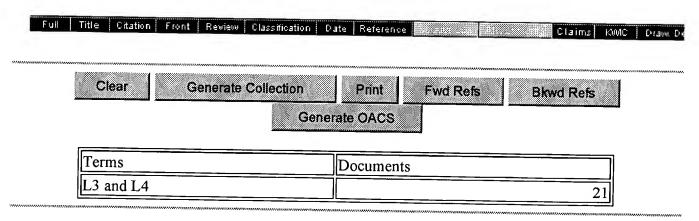
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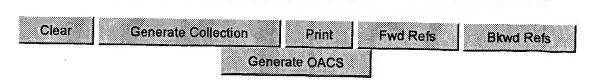
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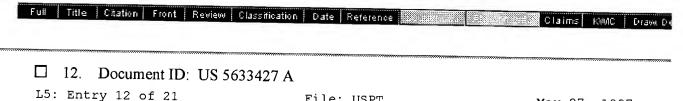
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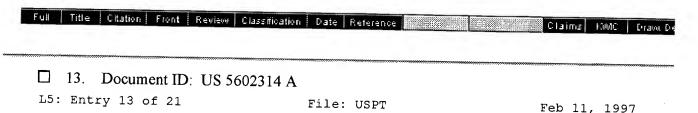
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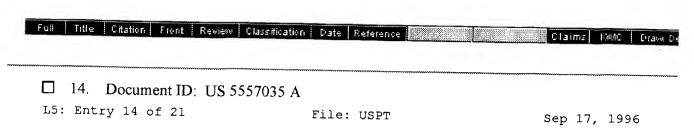
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DOCUMENT-IDENTIFIER: US 5602314 A

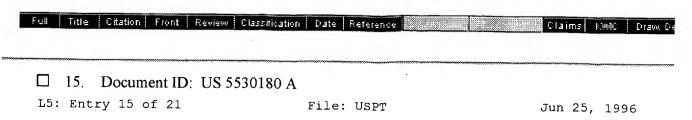
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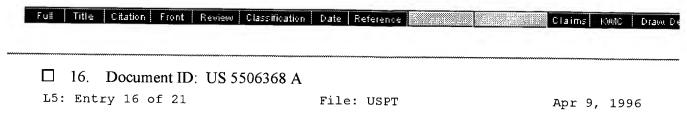
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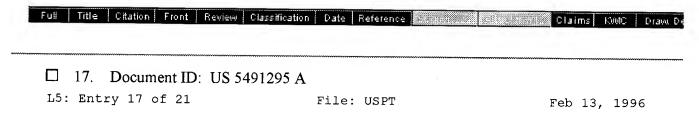
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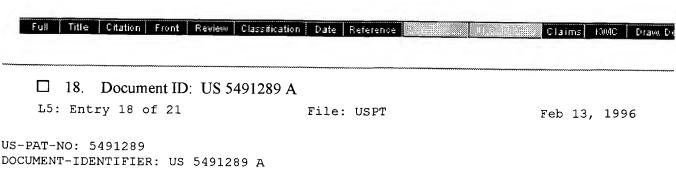
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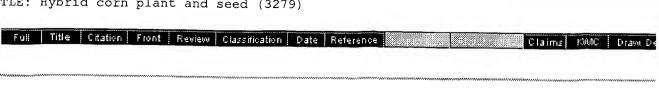
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DOCUMENT-IDENTIFIER: US 5491295 A

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TITLE: Hybrid corn plant and seed (3279)



☐ 19. Document ID: US 5444178 A

L5: Entry 19 of 21

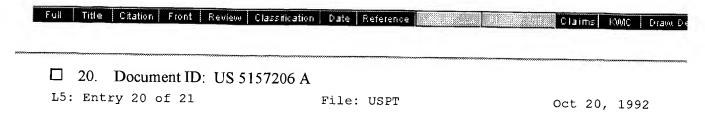
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Aug 22, 1995

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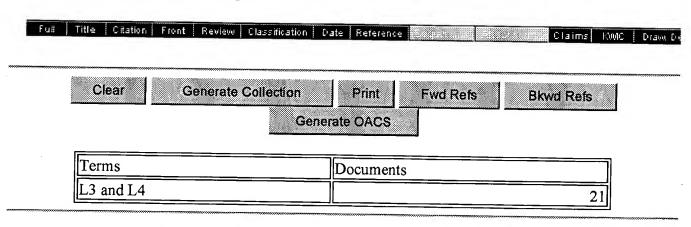
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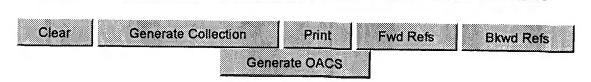
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Search Results - Record(s) 21 through 21 of 21 returned.

☐ 21. Document ID: US 4737596 A

L5: Entry 21 of 21

File: USPT

Apr 12, 1988

US-PAT-NO: 4737596

DOCUMENT-IDENTIFIER: US 4737596 A

TITLE: Hybrid corn plant and seed

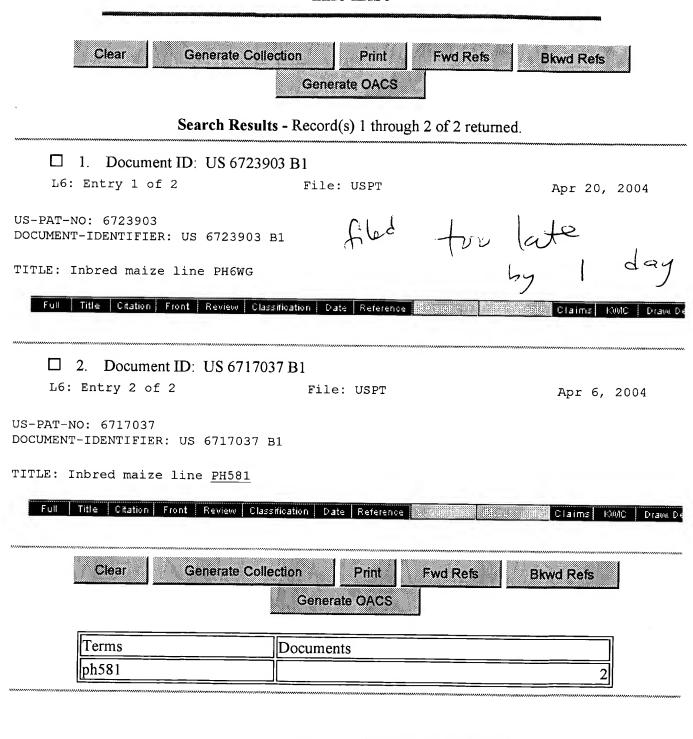
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L6: Entry 1 of 2

File: USPT

Apr 20, 2004

DOCUMENT-IDENTIFIER: US 6723903 B1 TITLE: Inbred maize line PH6WG

Detailed Description Text (196):

The results in Table 4A compare inbred PH6WG crossed to inbred PH581 and inbred PH07D crossed to PH12C. The results show the PH6WG/PH581 hybrid to demonstrate above average and significantly better yields and significantly lower harvest moisture of grain than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid presents a significantly shorter plant height and a significantly lower ear placement than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid exhibits above average resistance to stalk lodging and brittle stalk and also shows above average and significantly better resistance to early brittle stalk than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid demonstrates above average resistance to Gray Leaf Spot and Anthracnose Stalk Rot and also shows above average stay green scores.

Detailed Description Text (197):

The results in Table 4B compare inbred PH6WG crossed to inbred PH581 and inbred PHR61 crossed to PHK56. The results show the PH6WG/PH581 hybrid to demonstrate above average and significantly better yields than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid exhibits above average and significantly better resistance to stalk lodging and late season stalk lodging than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid also shows above average and significantly better resistance to brittle stalk than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid demonstrates significantly better stay green scores than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid demonstrates above average and significantly better resistance to both Gray Leaf Spot and Anthracnose Stalk Rot than the PHR61/PHK56 hybrid.

Detailed Description Text (198):

The results in Table 4C compare inbred PH6WG crossed to inbred PH581 and inbred PH05F crossed to PH2N0. The results show the PH6WG/PH581 hybrid to demonstrate above average yields. The PH6WG/PH581 hybrid exhibits above average and significantly better resistance to stalk lodging and late season stalk lodging than the PH05F/PH2N0 hybrid. The PH6WG/PH581 hybrid also shows above average and significantly better resistance to early brittle stalk than the PH05F/PH2N0 hybrid and shows above average resistance to brittle stalk. The PH6WG/PH581 hybrid demonstrates significantly better stay green scores than the PH05F/PH2N0 hybrid. The PH6WG/PH581 hybrid demonstrates above average and significantly better resistance to both Gray Leaf Spot and Anthracnose Stalk Rot than the PH05F/PH2N0 hybrid.

Detailed Description Paragraph Table (5):

TABLE 4A INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 = PH07D/PH12C PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS ABS % MN % MN ABS % MN % MN % MN TOTAL SUM 1 109 108 189.9 105 101 56.2 101 100 101 2 111 112 182.9 101 109 57.3 105 106 106 LOCS 4 3 169 169 175 101 40 31 52 REPS 4 3 172 172 178 103 46 37 57 DIFF 2 3 7.1 4 8 1.1 4 6 5 PR > T .114 .023+ .000# .000# .000# .000# .000# .000# .000# EAR ERT RT LRT STK STK STK EBT BRT HT LSC LDG LSC LDS LDG LDL STK STK % MN ABS % MN ABS ABS % MN % MN % MN % MN % MN TOTAL SUM 1 100 7.0 93 5.8 7.2 103 111 112 105 2 110 8.0 101 7.5 7.9 103 117 98

105 Locs 52 1 10 13 58 61 37 9 13 REPS 57 1 10 15 59 62 58 34 13 DIFF 10 1.0 8 1.7 0.8 0 7 15 0 PR > T .000# .241 .047+ .005# .999 .031+ .008# .999 ABT EGR STA DRP TST STK EST GLF NLF STK WTH GRN EAR WT CNT CNT SPT BLT % MN % MN % MN % MN ABS % MN % MN ABS ABS TOTAL SUM 1 124 100 111 100 56.2 101 100 6.1 3.9 2 117 106 126 100 57.1 101 100 6.0 5.5 Locs 8 35 55 13 102 273 12 14 7 REPS 34 36 58 15 104 382 14 20 10 DIFF 7 6 15 0 0.9 0 0 0.1 1.6 PR > T .355 .121 .001# .999 .000# .999 .999 .655 .081* SLF STW ANT HD FUS DIP ECB ECB BLT WLT ROT SMT CLN ERS ERS 1LF 2SC ABS ABS ABS ABS ABS ABS ABS ABS ABS TOTAL SUM 1 5.3 4.3 5.2 97.0 6.0 5.2 3.0 5.8 4.6 2 4.8 6.3 5.5 98.0 6.4 3.3 5.0 5.5 4.6 Locs 2 2 14 4 2 7 3 2 4 REPS 4 4 23 7 7 9 6 3 6 DIFF 0.5 2.0 0.3 1.0 0.4 1.9 2.0 0.3 0.0 PR > T .500 .295 .205 .567 .766 .078* .339 .795 .999 HSK CVR ABS TOTAL SUM 1 6.8 2 5.1 Locs 11 REPS 13 DIFF 1.7 PR > T .001# * = 10% SIG + = 5% SIG # = 1% SIG

Detailed Description Paragraph Table (6):

TABLE 4B INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 = PHR61/PHK56 PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS ABS % MN % MN ABS % MN % MN % MN TOTAL SUM 1 109 108 192.3 105 100 55.8 101 100 101 2 105 107 164.6 90 90 57.0 99 99 99 LOCS 4 2 113 113 116 58 27 19 34 REPS 4 2 121 121 124 64 28 20 35 DIFF 4 1 27.7 15 10 1.2 2 0 2 PR > T .001# .500 .000# .000# .000# .000# .000# .999 .032+ EAR RT LRT STK STK STK BRT ABT EGR HT LDG LSC LDS LDG LDL STK STK WTH % MN % MN ABS ABS % MN % MN % MN % MN % MN TOTAL SUM 1 101 93 6.3 7.2 102 105 105 122 100 2 95 108 8.3 6.0 99 90 93 76 106 LOCS 34 10 12 35 51 22 12 4 29 REPS 35 10 14 40 52 33 12 11 31 DIFF 6 15 2.0 1.2 3 15 12 46 6 PR > T .007# .049+ .018+ .011+ .496 .023+ .033+ .361 .143 STA DRP TST STK EST GLF NLF SLF STW GRN EAR WT CNT CNT SPT BLT BLT WLT % MN % MN ABS % MN % MN ABS ABS ABS TOTAL SUM 1 105 100 55.8 101 100 6.3 3.2 6.0 4.3 2 70 100 57.6 100 100 3.6 4.0 3.0 3.8 LOCS 34 13 58 167 9 10 3 1 2 REPS 38 15 64 206 10 13 4 2 4 DIFF 35 0 1.7 0 1 2.7 0.8 3.0 0.5 PR > T .000# .999 .000# .999 .512 .000# .630 .000# ANT HD FUS DIP ECB HSK ROT SMT CLN ERS ERS 1LF CVR ABS ABS ABS ABS ABS ABS TOTAL SUM 1 5.3 99.4 8.0 5.5 3.0 6.0 6.7 2 3.0 99.4 3.7 4.3 2.5 5.0 6.0 LOCS 6 2 1 4 1 1 3 REPS 10 4 3 5 2 1 3 DIFF 2.3 0.0 4.3 1.3 0.5 1.0 0.7 PR > T .015+ .999 .141 .184

Detailed Description Paragraph Table (7):

* = 10% SIG + = 5% SIG # = 1% SIG

TABLE 4C INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 = PH05F/PH2N0 PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS ABS % MN % MN ABS % MN % MN % MN TOTAL SUM 1 108 108 179.7 105 100 56.1 101 100 101 2 108 108 180.6 105 99 57.4 101 101 101 LOCS 8 2 224 224 231 152 45 41 65 REPS 8 2 247 247 256 161 56 51 79 DIFF 0 0 0.8 0 1 1.3 0 1 0 PR > T .999 .999 .561 .999 .147 .000# .999 .000# .999 EAR ERT RT LRT STK STK STK EBT BRT HT LSC LDG LSC LDS LDG LDL STK STK % MN ABS % MN ABS ABS % MN % MN % MN % MN TOTAL SUM 1 101 5.5 97 6.0 7.4 102 117 111 104 2 97 6.0 99 5.2 6.2 96 103 98 101 LOCS 65 2 18 14 92 70 45 10 5 REPS 79 2 18 16 99 71 75 36 5 DIFF 3 0.5 2 0.8 1.2 6 14 14 4 PR > T .002# .795 .522 .364 .000# .016+ .014+ .010+ .080* ABT EGR STA DRP TST STK EST GLF NLF STK WTH GRN EAR WT CNT CNT SPT BLT % MN % MN % MN ABS % MN % MN ABS ABS TOTAL SUM 1 122 102 110 100 56.1 101 103 5.8 3.8 2 90 105 101 100 57.4 101 97 4.6 4.0 LOCS 10 39 71 11 153 361 8 18 9 REPS 52 42 85 13 162 544 11 27 14 DIFF 32 3 9 0 1.3 1 5 13 0.2 PR > T .006# .330 .038+ .999 .000# .245 .039+ .000# .569 SLF STW ANT HD FUS DIP COM ECB BLT WLT ROT SMT CLN ERS ERS RST 1LF ABS ABS ABS ABS ABS ABS ABS ABS TOTAL SUM 1 5.0 4.3 5.4 98.0 5.2 5.6 3.2 6.0 6.0 2 4.7 5.3 4.2 93.5 5.3 4.0 4.1 5.3 5.8 LOCS 3 2 22 6 3 8 5 4 3 REPS 6 4 36 11 11 13 10 4 5 DIFF 0.3 1.0 1.2 4.5 0.2 1.5 0.9 0.8 0.2 PR > T .423 .000# .000# .278 .423 .001# .021+ .058* .423 ECB HSK SWB 2SC CVR PGR ABS ABS ABS TOTAL SUM 1 5.3 6.8 17.6 2 4.7 4.6 29.4 LOCS 6 19 1 REPS 10 24 1 DIFF 0.7 2.2 11.8 PR > T .249 .000# * = 10% SIG + = 5% SIG # = 1% SIG

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